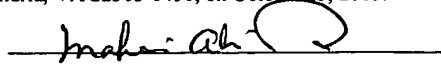




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**CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"**

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Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on October 25, 2005.

  
Ali Makoui

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the application of:

Barin G. Haskell

Serial No.: 10/615,117

Filing Date: 07/07/2003

For: METHOD AND APPARATUS FOR  
CONTROL OF RATE-DISTORTION  
TRADEOFF BY MODE SELECTION IN  
VIDEO ENCODERS

Examiner: Shawn S. An

Group Art Unit: 2613

**TRANSMITTAL LETTER FOR INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The following IDS is being submitted for Serial No. 10/615,117. Attached please find:

1. Information Disclosure Statement;
2. Form PTO-1449;
3. (11) Cited References;
4. Credit Card Payment Form; and
5. A Return Receipt Post Card

The fee has been calculated as follows:

FOR	NUMBER	NUMBER OVER ALLOTMENT	RATE	CALCULATIONS
Information Disclosure Statement under C.F.R. § 1.97(b)	0	0	\$0	\$0
Fees for an IDS under C.F.R. § 1.97(c) or (d)	0	0	\$180.00	\$180.00
Total from Above				\$180.00
Reduction by 1/2 for filing by small entity (Note 37 C.F.R. §§ 1.9, 1.27, 1.28). The Applicant hereby states that it qualifies as a small entity under 37 CFR 1.27				\$0.00
				<b>TOTAL = \$180.00</b>

The Commissioner is hereby authorized to charge any additional fees under 37 C.F.R. §§ 1.16 and 1.17 that may be required by this transmittal and associated documents, or to credit any overpayment to **Deposit Account No. 50-1128**.

Respectfully submitted,

Dated: October 25, 2005

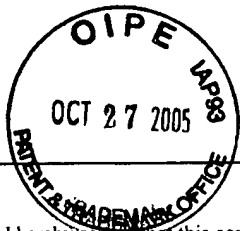
By:



Ali Makoui

Registration No. 45,536

Stattler, Johansen & Adeli LLP,  
1875 Century Park East, Suite 1050  
Century City, California 90067  
Phone: (310) 785-0140, ext. 302  
Fax: (310) 785-9558



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*Ali Makoui*  
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TRADEOFF BY MODE SELECTION IN  
VIDEO ENCODERS

Examiner: Shawn S. An

Group Art Unit: 2613

**INFORMATION DISCLOSURE  
STATEMENT UNDER 37 C.F.R. § 1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, applicants submit with this Information Disclosure Statement the attached Form PTO-1449, and copies of the documents listed in the 1449 form for consideration by the Examiner. The Examiner is requested to make these documents of record. Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

This Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the

like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

This Information Disclosure Statement is submitted: After the mailing of a first Office Action on the merits but before the mailing of a final Office Action or Notice of Allowance. A fee is required. A fee in the amount of \$180 is enclosed.

However, in the unlikely event that the Patent Office determines that additional fees, extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 50-1128** referencing APLE.P0035. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: October 25, 2005

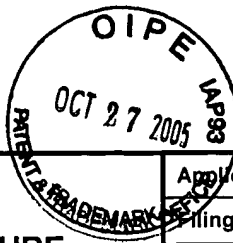
Respectfully submitted,

By: Ali Makoui

**Ali Makoui**  
Registration No. 45,536

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PTO/SB/08A (08-00) - MODIFIED  
Approved for use through 10/31/2002. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				Application Number	10/615,117
				Filing Date	07/07/2003
				First Named Inventor	Barin Haskell
				Group Art Unit	2613
				Examiner Name	An, Shawn S.
SHEET	1	OF	3	Attorney Docket Number	APLE.P0035

U.S. PATENT DOCUMENTS						
Examiner* Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	6,493,385	B1	Sekiguchi, et. al.	12-10-2002	
	2.	6,493,386	B1	Vetro, et. al.	12-10-2002	Counterpart patent to EP 1170954  Please see Int'l Search Report (10-01-2004) Form PCT/ISA/210, sheet 7
	3.	6,490,320	B1	Vetro, et. al.	12-03-2002	Counterpart patent to EP 1170954  Please see Int'l Search Report (10-01-2004) Form PCT/ISA/210, sheet 7
	4.	6,574,279	B1	Vetro, et. al.	06-03-2003	Counterpart patent to EP 1170954  Please see Int'l Search Report (10-01-2004) Form PCT/ISA/210, sheet 7

RELATED U.S. PATENT DOCUMENTS						
Examiner * Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Date of filing MM-DD- YYYY	Name of Patentee or Applicant of Cited Document	Related Application Data
	5.	US 2004/0131121	A1	07-08-2004	Dumitras, et. al.	This is attorney docket number APLE.P0040, a related application

FOREIGN PATENT DOCUMENTS								
Examiner* Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code (if known) <sup>5</sup>				
	6.	EP	1170954	A1	01-09-2002	Mitsubishi Electric Corp.		
	7.	WO	9922525	A1	05-06-1999	Mitsubishi Electric Corp.	Counterpart publication to US 6493385  Please see Int'l Search	

Examiner Signature		Date Considered	
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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				Filing Date	07/07/2003
				First Named Inventor	Barin Haskell
				Group Art Unit	2613
				Examiner Name	An, Shawn S.
SHEET	2	OF	3	Attorney Docket Number	APLE.P0035

FOREIGN PATENT DOCUMENTS							
							Report (10-01-2004) Form PCT/ISA/210, sheet 7
	8.	AU	3054701	A	08-20-2001	Mitsubishi Electric Corp.	Counterpart patent to EP 1170954  Please see Int'l Search Report (10-01-2004) Form PCT/ISA/210, sheet 7
	9.	WO	0160075	A1	08-16-2001	Mitsubishi Electric Corp.	Counterpart patent to EP 1170954  Please see Int'l Search Report (10-01-2004) Form PCT/ISA/210, sheet 7
	10.		International Search Report		10-01-2004		International Search Report for APLE.P0040PCT

Examiner Signature		Date Considered	
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				Examiner Name	An, Shawn S.
SHEET	3	OF	3	Attorney Docket Number	APLE.P0035

NON PATENT LITERATURE DOCUMENTS				
Examiner* Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>	
	11.	WIEGAND T., et. al., "Lagrange Multiplier Selection in Hybrid Video Coder Control," <i>Proceedings 2001 International Conference on Image Processing</i> , October 7, 2001, pages 542-545, vol. 1 of 3, conf. 8, IEEE, US.		
	12.	MEI-YIN, SHEN, et. al., "Fast Compression Artifact Reduction Technique Based on Nonlinear Filtering," <i>Proceedings of the 1999 IEEE International Symposium on Circuits and Systems</i> , May 30, 1999, pages 179-182, IEEE, US.		
	13.	SCHWARZ, H., et. al., "An Improved H.26L Coder Using Lagrangian Coder Control," <i>ITU Telecommunications Standardization Sector Study Group 16</i> , October 18, 2001, pages 1-8, (whole document).		
	14.	SEGALL C. A., et. al., "Pre- and Post-Processing Algorithms for Compressed Video Enhancement," <i>Conference Record of the 34<sup>th</sup> Asilomar Conference on Signals, Systems, &amp; Computers</i> , October 29, 2000, pages 1369-1373, vol. 2 of 2, conf. 34, IEEE, US.		
	15.	SEUNGJOON, YANG, et. al., "Blocking Effect Removal Using Regularization and Dithering," <i>1998 International Conference on Image Processing</i> , October 4, 1998, pages 415-419, IEEE Comput. Soc., US.		
	16.	MEI-YIN, SHEN, et. al., "Real-time Compression Artifact Reduction Via Robust Nonlinear Filtering," <i>1999 International Conference on Image Processing</i> , October 24, 1999, pages 565-569, IEEE, US.		
	17.	DUMITRAS, A., et. al., "Enhancement of Direct Mode Selection in B Pictures for Bit Rate Reduction of Compressed Video Sequences," <i>2003 International Conference on Image Processing</i> , September 14, 2003, pages 825-828, vol. 3, IEEE, US.		
	18.	KOSSENTINI, F., et. al., "Predictive RD Optimized Motion Estimation for Very Low Bit-Rate Coding," <i>IEEE Journal on Selected Areas in Communications</i> , December 1, 1997, pages 1752-1763, vol. 15, no. 9, IEEE Inc., New York, US.		
	19.	ZHU Q.-F., et. al., "Image Reconstruction for Hybrid Video Coding Systems," <i>Data Compression Conference</i> , March 24, 1992, pages 229-238, IEEE Comput. Soc., US.		

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